

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-013803**Date Inspected:** 23-Apr-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** OBG Trial Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Areas

Segment 9DW

This QA Inspector performed Inspection along with Caltrans QA Mr. Manikandan for the following Segment 9DW from Panel Point (PP) 80 for the following items.

Deck Panel Diaphragm to Deck Panel Plumbness and Flatness measured from the West and East side and the recorded measurements submitted to lead as well to the engineer for further action.

Flatness measurement for Deck Panel to Corner Assembly from PP 79.25 to PP 82.25 Cross Beam and Counter Weight side.

Flatness measurement for Side Panel to Corner Assembly from PP 79.25 to PP 82.25 Cross Beam and Counter Weight side

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### Segment 7EE to 8AE

This QA Inspector performed Dimension Inspection along with Caltrans QA Mr. Manoj for the following Segment 7EE to Segment 8AE between PP 60 and PP 61 for the T-Rib Vertical and Horizontal offset from Work Point E1 to E3; Work Point E3 to E4 and Work Point E4 to E6.

### Segment 8AE to 8BE

This QA Inspector performed Dimension Inspection along with Caltrans QA Mr. Manoj for the following Segment 8AE to Segment 8BE between PP 64 and PP 65 for the Root Gap and Offset.

### Safety Induction

This QA Inspector attended the safety induction course conducted by Caltrans representative Mr. Kevin regarding the confined space entry and overall safety concerned with the project.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversations.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Math,Manjunath	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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